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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/578,461	05/08/2006	Clemens Schwab	510.1157	2110	
23280 Davidson, Dav	7590 06/02/2009 ridson & Kappel, LLC	EXAMINER			
485 7th Avenue			ONEILL, KARIE AMBER		
14th Floor New York, NY	7 10018		ART UNIT	PAPER NUMBER	
			1795		
			MAIL DATE	DELIVERY MODE	
			06/02/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/578,461	SCHWAB, CLEMENS	
Examiner	Art Unit	
Karie O'Neill	1795	

	Karie O'Neill	1795						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address								
THE REPLY FILED 15 May 2009 FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR AL	LOWANCE.						
application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods:	reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this lication, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places (ication in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time							
<li>b) The period for reply expires on: (1) the mailing date of this A</li>	dvisory Action, or (2) the date set forth							
Examiner Note: If box 1 is checked, check either box (a) or (	no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 705.07(f).							
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filled is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extensing the under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) a set torth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed may reduce any earned patent term adjustment. See 37 CFR 1.70(b).								
NOTICE OF APPEAL 2. The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any extern Notice of Appeal has been filed, any reply must be filed w	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	of the date of appeal. Since					
<u>AMENDMENTS</u>								
<ol> <li>The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because         <ul> <li>(a) They raise new issues that would require further consideration and/or search (see NOTE below);</li> <li>(b) They raise the issue of new matter (see NOTE below);</li> </ul> </li> </ol>								
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or								
(d) ☐ They present additional claims without canceling a	corresponding number of finally reje	ected claims.						
NOTE: (See 37 CFR 1.116 and 41.33(a)).								
4. The amendments are not in compliance with 37 CFR 1.1.		mpliant Amendment (I	PTOL-324).					
<ul> <li>Applicant's reply has overcome the following rejection(s)</li> <li>Newly proposed or amended claim(s) would be all</li> </ul>		imals filed amandmar	et concelling the					
non-allowable claim(s).	lowable ii submilited iii a separate, t	imely liled amendmen	it canceling the					
<ol> <li>For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is provided.</li> </ol>		be entered and an e	planation of					
The status of the claim(s) is (or will be) as follows: Claim(s) allowed:	The status of the claim(s) is (or will be) as follows:							
Claim(s) objected to:								
Claim(s) rejected: <u>5-14</u> .								
Claim(s) withdrawn from consideration: AFFIDAVIT OR OTHER EVIDENCE								
The affidavit or other evidence filed after a final action, but	t before or on the date of filing a No	tice of Anneal will not	he entered					
because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).								
<ol> <li>The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary</li> </ol>	vercome all rejections under appea	l and/or appellant fail:	to provide a					
10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER								
The request for reconsideration has been considered bu See Continuation Sheet.	t does NOT place the application in	condition for allowan	ce because:					
12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s)  13. Other:								
/Karie O'Neill/ AU 1795	/Mark Ruthkosky/ Primary Examiner, Art U	nit 1795						
	,							

U.S. Patent and Trademark Office PTOL-303 (Rev. 08-06) Continuation of 11, does NOT place the application in condition for allowance because: Applicants arguments submitted on May 15, 2009, are not persuasive. Applicant argues that "Honda et al. in no way discloses the requirement of claim 5 of "an adsorption accumulator assigned to the fuel cell unit and forming a heat store adapted to release heat when adsorbing the fuel cell waste products. Honda et al. completely fails to teach or disclose such a relationship between fuel cell 2 and adsorber 5 and does not even mention any use at all for waste products of fuel cell 2."

Honda et al. discloses in paragraph 0020, the adsorber (5) being assigned to the fuel cell (2) and forming a heat store in heat exchange section (51) which is thermally connected to the adsorption accumulator (5). It is also noted that the phrase "daupted to release heat when adsorbing the fuel cell waste products" is considered functional language which imparts intended use to the structural features of the claim. Therefore, the claim is rejected with regard to the structural limitations of the adsorption accumulator and no patentable weight is given to the "adapted to" limitations.

Applicant argues that "Honda et al. not disclose the requirements of claim 5 of "a first line connected to the fuel cell unit discharging the fuel cell waste products from the fuel cell waste products from the fuel cell waste products to the adsorption accumulator." The Office Action does not even attempt to point out in Honda et al. where the "first line" or the "second line" of claim 5 are disclosed in Honda et al."

The terms "first line" and "second line" are broad limitations that are met by the prior art. MPEP 2106 states, the Examiner is to give claims their broadest reasonable interpretation in light of the supporting disclosure. In the office action it is noted that the "first line" is connected from the fuel cell (2) to pump (40) and the "second line" is the line that continues from pump (40) to the adsorber (5). The fuel cell waste is the water that is generated by the reactionatis in the fuel cell and is later pumped out of the fuel cell by pump (40) and flows into the adsorber 10 the absorber (5) (paragraphs 0.018-0.019).

Applicant argues that the limitations discussed above are structural limitations; i.e., the adsorption accumulator "adapted to release heat when adsorbing the fuel cell waste products." the first line, and second line.

These structural limitations have been discussed in the office action dated March 23, 2009 on page 3 and in the paragraphs above

Applicant argues that, "the three-way-type selector valve 41, which the Office Action alleges corresponds to the "actuator" of claim 12, is a part of hydraulic circuit A of Honda et al. and thus is in no way adapted to interact with the claimed "first line" and the "second line" as required by claim 12."

As stated above, that the "first line" is connected from the fuel cell (2) to pump (40) and the "second line" is the line that continues from pump (40) to the adsorber (5). The three-way valve (41) is located between the fuel cell (2) and the adsorber (5) and interacts with the "first line" and the "second line", as required by the claim limitation.

Applicant argues that "the three-way-type selector valve 42, which the Office Action alleges corresponds to the "second actuator" of claim 13, is adapted to pass heat exchanging fluid from heat exchanging part 51 to fuel cell 2 and thus is not arranged with the claimed system as required by claim 13."

The intended use of the structural features of the claims are not given patentable weight. Therefore, the three-way-type selector valve (42), which acts as a second actuator, is present in the fuel cell system, as required by the claims.

Finally, it is respectfully submitted by Applicant that. "Honda et al. does not disclose the step of claim 7 of "when the fuel cell system is starting up, heating coolant in the cooling circuit via the heat exchanger using heat stored in the adsorption accumulator, with the fuel cell waste products being fed to the adsorption accumulator at the same time, the fuel cell waste products including waste gas." Honda et al. in no way discloses feeding any waste products from fuel cell 2 to adsorbed 5. As discussed above with respect to the corresponding apparatus claim. Honda et al. does not even mention any use at all for waste products of fuel cell 2."

As stated above, the waste product being fed from the fuel cell (2) to the adsorber (5) is the water generated by the reactants of the fuel cell and is later pumped out of the fuel cell by pump (40) and flows into the adsorbent chamber (52) of the adsorber (5) (paragraphs 0018-0019).